2021 Career Event
May 11, 2021
THANKS TO ALL OF OUR SPONSORS
The NOSB Would Not Be Possible Without Their Generous Support!
Itinerary
(times in eastern)

7:00pm – Welcome in Auditorium

7:15 – 8:15pm – Students Meet with Career Mentors
(Navigate to a new table every 10 minutes)
Coaches can socialize in lounge area

8:15pm – Closing in Auditorium

Career Mentors:
(see bios for table assignments)

Katherine Ball
Jose Cuevas
John Jansen
Josh Kohut
Allison Miller

Laura Morse
Maddie Smith
Jim Thomson
Nathan Tom
Katherine Ball – Arizona State University

(Room 1, Table 1)

Rin Ball is in her early career working in marine governance. She is currently pursuing her PhD at Arizona State University where she studies U.S. ocean management in Alaska and the Arctic while being a 2021 NOAA Knauss Marine Policy fellow in the U.S. Department of Energy’s Wind Energy Technologies Office working on offshore wind. A lifetime dedication to marine conservation has led her down this path, having competed in ORCA Bowl and become a National Ocean Scholar in 2014. After NOSB, she pursued a B.S. in Oceanography at University of Washington during which she came to see the ways communities are left outside of ocean management. She pursued graduate school to connect communities to ocean decision making. When not working on ocean topics, Rin enjoys playing board games, rock climbing, and exploring her local area.
Jose Cuevas is currently an MS student at Boston College studying Marine Biogeochemistry. He competed in the 2011 and 2012 Garibaldi Bowls in San Diego, CA and at the 2012 National Finals Competition in Baltimore, MD. He was named a National Ocean Scholar in 2012 and went onto the University of San Diego to study Marine Science. Through a connection with another NOSB alumna, he began undergraduate research at the Scripps Institution of Oceanography and co-authored his first scientific paper in 2016. After finishing his bachelor’s degree in 2017, he worked as a Marine Invasions Intern at the Smithsonian Environmental Research Center and subsequently as an Instructor at the Birch Aquarium at the Scripps Institution of Oceanography. Now at Boston College, Jose is broadly interested in the North Atlantic Carbon Cycle and is working on multiple National Science Foundation-funded projects to understand the role of this ocean basin in the global climate system.
John grew fascinated with the ocean despite growing up landlocked in Colorado. Swimming through jellyfish tentacles (OUCH!!) on his first trip to the ocean -- and then seeing one up close the next day -- cinched his passion for everything ocean. Making his way to Alaska, the Pacific NW, and the South Pacific -- during and after college -- John spent more than a year at sea, fishing and as a fishery observer (and getting stung by lots more jellyfish). He finally landed a job with NOAA and attended grad school and has been studying polar critters ever since, including chinstrap and macaroni penguins, Antarctic fur seals, Alaskan harbor seals, and Arctic ice seals. After dozens of remote field outings -- especially living among the animals in small camps and small ships -- John’s current focus is developing new ways of studying hard-to-reach seals on glacial ice by using more remote sensing techniques such as aerial photography. Even though John sees the advantages of new technologies in studying animals from afar, he believes biologists still need a strong foundation observing and learning about animals in the wild. John believes that "living on animal time" reveals insights you can’t find any other way.
Dr. Josh Kohut earned a B.S. in physics from the College of Charleston and a Ph.D. in physical oceanography from Rutgers University. Josh is currently a professor in the department of marine and coastal sciences at Rutgers University. Using networks of ocean observing technologies, his research and extension programs focus on the ocean processes that structure marine ecosystems. He is involved in many research programs that range in scope from storm intensity, offshore wind, and local water quality monitoring off the NJ coast; regional fisheries along the US east coast; and environmental studies of polar ecosystems in the coastal waters surrounding Antarctica. He is a member of the Rutgers University Center for Ocean Observing Leadership, the Rutgers Institute of Earth Ocean and Atmospheric Sciences, the Rutgers New Jersey Agricultural Experiment Station, the Rutgers Climate Institute, and the Rutgers Energy Institute.
Allison Miller holds a bachelor’s degree in Marine Science with a minor in Environmental Science from Coastal Carolina University, and a master of science degree in Oceanography from Florida State University. Prior to joining Schmidt Ocean Institute, she managed the National Oceanographic Partnership Program at the Consortium for Ocean Leadership, facilitating partnerships in a variety of ways. At Ocean Leadership, she was also involved in other programs, such as the Gulf of Mexico Research Initiative, the National Ocean Sciences Bowl, and the Ocean Sciences Educators’ Retreat. In 2009, Allison dove in the Alvin off the coast of Costa Rica on a mission to service IODP’s CORK observatories. She was also the science editor for the children’s book “Ocean Hide and Seek”. She is the Council Secretary for The Oceanography Society. Allison joined Schmidt Ocean Institute in 2013. She is responsible for the management and oversight of all research projects undertaken by SOI. This includes managing scientific grants, contracts, and agreements as they pertain to the scientific research using SOI assets and managing the data created and collected by SOI assets. She is also responsible for maintaining harmonious and productive relationships with scientists and engineers who work with SOI, as well as supporting other scientific and research groups that interact with SOI.
Laura is an Environmental Manager with Orsted supporting the U.S. Market and global portfolio as a strategic advisor. She has over 25 years of experience as a marine biologist and regulatory specialist, with a focus on marine mammal science, ocean policy and management. She has broad expertise in range of environmental laws and permitting requirements applicable to offshore energy development at federal, state and local levels. She spent the first decade of her career working in North Atlantic waters as both a commercial fisheries observer and right whale biologist. She has since worked worldwide on all ocean basins on a variety of projects supporting directed marine science research for federal agencies and academic institutions as well as resource mitigation, monitoring and advisement for multiple maritime industries and the US Navy. Laura currently supports the Orsted U.S. project portfolio in development and advancement of their protected species monitoring and mitigation plans and strategic research and development initiatives as well as multi-stakeholder collaborations. Laura developed and initiated the Ocean Wind ECO-PAM project, an innovative North Atlantic Right whale research collaboration with Rutgers University, Woods Hole Oceanographic Institution and the University of Rhode Island and she led on advancing Orsted’s industry leading data sharing agreement with NOAA. Laura is a Project Management Professional and received her BS in Biology and BA in Anthropology from the University at Buffalo and her MS in Coastal Zone Management from NOVA Southeastern University.
Dr. Maddie Smith is a postdoctoral scholar at the Polar Science Center at the University of Washington in Seattle, Washington. Motivated by the loss of sea ice in a rapidly changing climate, her research uses observations and modeling approaches to understand how sea ice interacts with the ocean. Her fieldwork has taken her to the oceans at both ends of the earth, and most recently she was a participant in the summer leg of the year-long MOSAiC expedition. Maddie completed her PhD in Civil & Environmental Engineering at the University of Washington exploring the role of surface waves and turbulence in the autumn Arctic Ocean. She received her B.A. in Earth & Oceanographic Studies and Environmental Science from Bowdoin College in Brunswick, Maine, where she first dreamed of exploring the Arctic while learning about the transpolar drift of Fridtjof Nansen.
Jim Thomson is a Senior Principal Oceanographer at the University of Washington’s Applied Physics Lab and a Professor in the Dept. of Civil & Environmental Engineering. Dr. Thomson studied Applied Ocean Physics and Engineering in MIT’s joint program with the Woods Hole Oceanographic Institution, receiving a PhD in 2006. Dr. Thomson studies waves and turbulence at the surface of the ocean, including interactions with sea ice. His work emphasizes field measurements and physical processes and includes the development of instrumentation and autonomous platforms. Applications for his work include remote sensing synthesis, model development, and naval operations.
Dr. Nathan Tom – National Renewable Energy Laboratory
(Room 3, Table 9)

Nathan joined NREL in May 2014 after receiving his Ph.D. from UC Berkeley. While at NREL, Nathan has been on several international projects which include WEC-Sim code development and as an organizer for the Wave Energy Converter Control Competition. Currently Nathan is the principle investigator on a U.S. Department of Energy sponsored project that extends the concept of controllable geometries to new wave energy converter architectures. In this project, Nathan leads a group of four researchers to explore the coupling between the device hydrodynamic, structural, and control design to demonstrate the economic feasibility of this next-generation technology. Recently Nathan has joined the U.S. working group for the IEC TC114 standards development and sits on the shadow committee for MT62600-2 and -100. Nathan also assists in the development of educational material to support the future workforce development needs for the offshore renewable sector.

https://www.nrel.gov/research/staff/nathan-tom.html
The Consortium for Ocean Leadership (COL) is a Washington, D.C.-based nonprofit organization that represents the leading public and private ocean research education institutions, aquariums, and industry with the mission to shape the future of ocean sciences and technology. In addition to its advocacy role as the voice of the ocean research and technology community, COL manages a variety of community-wide research and education programs in areas of ocean observing, ocean exploration, and ocean partnerships.

Consortium for Ocean Leadership’s Mission

Ocean Leadership shapes the future of ocean science and technology through discovery, understanding and action. We provide expertise in managing, coordinating, and facilitating scientific programs and partnerships; influencing sound ocean policy; and educating the next generation of ocean leaders.

Consortium for Ocean Leadership’s Vision

Our vision is a global society that views its own well-being as intimately connected to the ocean.

www.oceanleadership.org

NOSB’s Mission

The mission of the National Ocean Sciences Bowl® (NOSB) is to prepare the next generation of students for careers in ocean science by providing an educational forum for students to excel in math and science, as well as receive national recognition for their diligence and talents. NOSB has proven that it can generate student interest and excitement about science and the ocean, giving young people a chance to examine the marine sciences as an in-depth area of study and as a possible career.

Science • Competition • Stewardship

Inspiring Tomorrow’s Ocean Leaders

www.nosb.org

A program of the Consortium for Ocean Leadership